June 2025

Hello Everyone,

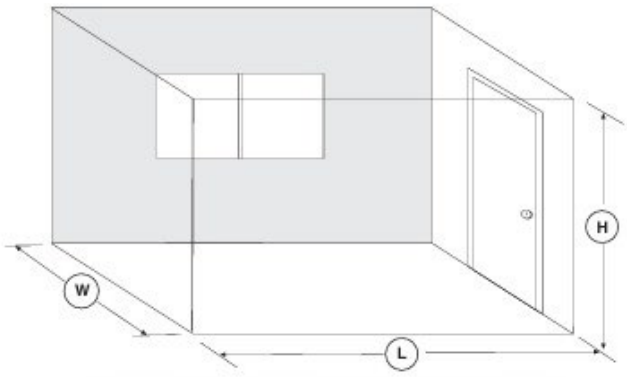
It's time for another **"Real Fyre Vent-Free Refresher."** Welcome to ***Maximum Allowable BTUs 101*:**

When selecting a Real Fyre vent-free burner system, you must ensure its maximum BTU output does not exceed the safe limit for your room size. If the burner's BTU output is too high for the space, it can quickly use up oxygen, creating a dangerous environment. Even with an oxygen depletion sensor, an oversized burner still poses risks. Each cubic foot of a room can only safely handle a certain number of BTUs without causing overheating, excess moisture, or wasted fuel.

Below is a formula to help you calculate the proper BTU size for your space.

Allowable BTUs Simplified

L x W x H x 20 = Maximum Allowable BTU



If the space is smaller than the formula allows, **DO NOT** install the vent-free burner system unless provisions for additional combustion and ventilation air are made.

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Example: If a room is 12 ft. long, 10 ft. wide and the ceiling is 9 ft high, the equation would look like this. 12 x 10 x 9 x 20 = 21,600. The maximum allowable BTUs for a room this size is 21,600.

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